

DuPont 6179T

PLATINUM/PALLADIUM/SILVER CONDUCTOR

Technical Data Sheet

Product Description

DuPont 6179T conductor (20:1:0.3 silver/palladium/platinum) is suitable for low-cost hybrid circuits or resistor networks.

Product Benefits

- Excellent aged adhesion
- Excellent thru-hole printability
- Good Solderability and excellent solder leach resistance.

Processing

Printing

DuPont 6179T prints easily using 325 mesh stainless steel screens with a 12-14 μm emulsion.

Drying

Allow prints to level for 5-10 minutes at room temperature. Then dry for 10-15 minutes at 150° C, in a well ventilated oven or belt dryer.

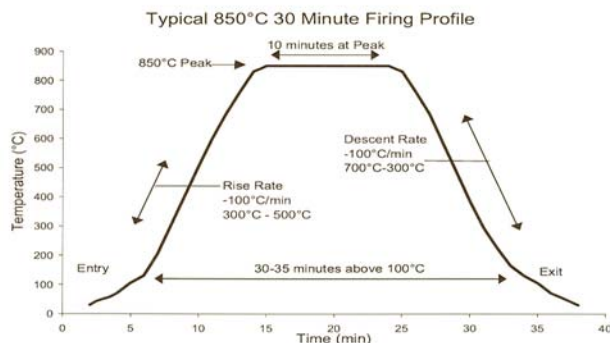
Firing

Fire in well ventilated moving conveyor furnace, in air with a 30 minute cycle to a peak temperature of 850°C.

Typical Physical Properties

Test	Properties
Resistivity (m Ω /sq) (μm)	$\leq 12 @ 15$
Fired Thickness [μm]	10 - 15
Aged Adhesion (N)	>25
Solder Leach Resistance (Number of 10 second dips in 62Sn/36Pb/2Ag Solder per micron of fired thickness)	0.6
Composition Properties	
Viscosity (Pa.S) (Brookfield HBT, 10 rpm #14 spindle&UC, 25°C)	200-300
Thinner	DuPont 4553
Shelf Life [months]	6

This table shows anticipated typical physical properties for DuPont 6179T based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.



Storage and Shelf Life

Containers should be stored, tightly sealed, in a clean, stable environment at room temperature (<25°C). Shelf life of material in unopened containers is six months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

Safety and Handling

For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).

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